

Amendments to the Claims:

Cancel Claims 1 – 14

15. (Original) A reactor for removing alkali hydroxide and hydrogen peroxide contaminants from an aqueous alkali halide stream, comprising

- a reactor vessel;
- an alkali hydroxide inlet in the upper region of the vessel;
- a contaminated alkali halide inlet in the upper region of the vessel;
- a chlorine gas inlet in the lower region of the vessel; and
- a treated alkali halide outlet in the lower region of the vessel.

16. (Original) The reactor of claim 15, further comprising a depleted alkali chloride solution inlet in the upper region of the vessel.

Cancel Claims 17 – 18